

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended) An imaging apparatus ~~including at least an imaging device~~ comprising:

an imaging device having a plurality of photoelectric transfer devices arranged in matrix-shape to detect a light irradiated to each photoelectric transfer device and transfer the light into an ~~to~~ electric signal[[,]]; and

imaging means for imaging an image of a photogenic object on a surface of the imaging ~~devices~~ device, wherein the imaging means ~~images~~ imaging at least two ~~similar~~ images of the photogenic subject ~~on~~ onto different ~~area~~ areas of the surface of the imaging device[[,]]; and

~~the imaging apparatus further includes electrical signal processing means to form one image of the photogenic subject from~~ for electrically synthesizing the at least two images of the photogenic object ~~subject~~ into one integrated image of the photogenic object.

Claim 2 (Currently Amended) The imaging apparatus of Claim 1, wherein the imaging means is composed of a plurality of lens systems having the same shape or refractive index and arranged in a plane parallel to [[an]] a light-receiving surface of the imaging device.

Claim 3 (Currently Amended) The imaging apparatus of Claim 2, wherein [[the]] a plurality of image formation lenses composing each lens system are formed integrally.

Claim 4 (Currently Amended) The imaging apparatus of Claim 2, wherein ~~[[the]]~~ a plurality of image formation lenses composing ~~[[the]]~~ each lens system are formed integrally of material having a ~~linear~~ linear expansion coefficient of not more than $1 \times 10^{-5} / ^\circ\text{C}$.

Claim 5 (Currently Amended) The imaging apparatus of Claim 2, wherein~~[[the]]~~ a plurality of image formation lenses composing ~~[[the]]~~ each lens system are bonded on a substrate having a ~~linear~~ linear expansion coefficient of not more than $1 \times 10^{-5} / ^\circ\text{C}$.

Claim 6 (New) The imaging apparatus according to Claim 1, wherein the imaging means includes a plurality of lens systems, and an optical center of each of the plurality of lens systems is aligned axially with a center of a corresponding one of the plurality of photoelectric transfer devices.

Claim 7 (New) An imaging apparatus including an imaging device, the imaging device comprising:

a plurality of photoelectric transfer devices arranged in matrix-shape to detect a light irradiated to each photoelectric transfer device and transfer the light into an electric signal;

a lens apparatus configured to direct an image of a subject onto a surface of the imaging device, the lens apparatus directing at least three images of the subject onto at least three different areas of the surface of the imaging device; and

an electric signal processor configured to form an integrated image of the subject from the at least three images of the subject.